SUPER LEVEL 30

DESCRIPTION:

Super Level 30 is part of the DGL Bondlast Construction Products screed range which gives a ready-to-use compound simply by mixing with water. It exhibits excellent trowelling with good hardening and drying properties. Single component, fast curing, cement-based screed.

TYPICAL FEATURES | BENEFITS:

- DGL Bondlast Super Level 30 is a self-smoothing cementitious underlayment when installed 3mm or above, specifically formulated for preparation of concrete subfloors prior to the laying of timber, vinyl, carpet and tile floor coverings.
- The specially selected cements and polymers contained in Super Level 30 produces a fast setting underlayment with exceptional adhesion to most prepared flooring materials.
- It is used for internal applications.
- It is suitable for concrete floors and fibre cement sheets.
- For a thickness of 0 - 12mm. ****Several layers of 12mm may be installed with the correct preparation and priming between layers.***

PERFORMANCE DATA:

Element	Value		
Application Temperature:	$^{+}10^{0}$C - $^{+}30^{0}$C ***Where temperatures less than 10°C or greater than 30°C are encountered, contact DGL Bondlast technical staff for specific advice.***		
Pot-Life:	$^{+}20^{0}$C ~ 65%RH	Approximately 10 minutes	
Flow Work Time:	$^{+}20^{0}$C ~ 65%RH	Approximately 10 minutes	
Initial Set Time:	$^{+}20^{0}$C ~ 65%RH	Approximately 1 hour	
Can be walked on:	$^{+}20^{0}$C ~ 65%RH	Approximately 2 - 4 hour	
May be Covered after:	$^{+}16^{0}$C ~ 65%RH	Approximately 24 hours @ 3mm ***Depending on when the relative humidity is under the value for the covering. Drying time is dependent on ambient temperature, the screed's thickness, the surface's moisture content and temperature.*** ***Use a moisture meter to check dryness in critical applications***	
Adhesion Properties to correctly prepared surface:	Excellent		
Binder:	Special Cement		
Ballast:	Natural sand		
Compressive strength:	$^{+}20^{0}$C ~ 65%RH	1 day	12 Mpa
		7 days	24 Mpa
		28 days	30 Mpa
Coverage:	Super Level 30 Powder 20kg | Water 5.0 litres ***When mixed, it produces approx. 12lts of wet volume – (84 x 20kg bags per cubic metre).***		
	Area	***Thickness***	***Number of Bags***
	100m²	*5mm*	*42*
	100m²	*10mm*	*84*
	100m²	*20mm*	*167*
	100m²	*30mm*	*250*
Recommended Thickness:	0 – 12mm approx. ***Several layers of 12mm may be installed with the correct preparation and priming between layers.***		
Appearance:	Grey when dry		
Clean Up:	Wash hands with warm soapy water after any skin contact. Hot soapy water for cleaning tools is better than solvents.		
Dangerous Goods Class:	Refer: SDS		
Packaging:	In bagged form this product must be stored in a dry area, off the floor on a timber pallet, or timber dunnage and it must be protected from the weather and from mechanical damage. ***Rotate the stock to ensure that the oldest material is used first.***		
Shelf life:	12 months from date of manufacture unopened and stored in dry internal conditions ***After this period consult with DGL Bondlast Construction Products.***		

RECOMMENDED USES:

- For fills of 0 - 12mm approx.
- Smoothing floors for a variety of coverings.
- Multi-purpose Self-Smoothing compound.
- Interior.

NOT RECOMMENDED:

- Application below $^{+}10^{0}$C air temperature.
- Application to incorrectly prepared surfaces.

SUBSTRATE PREPARATION:

The substrate must be sound, smooth, dry, and clean.	
Remove all dust, dirt, oil, scale, laitance, paint or any other contaminates that may inhibit a good bond.	
Cracks should be excavated with any loose or crumbly material being removed.	
Concrete floors must be dry in accordance with NZS/AS1884 – 2013 (70% RH maximum).	
Concrete:	Concrete shall be prepared to a minimum CSP 3-4
Fibre Cement Board:	The surface must be dry, clean, and sanded lightly.

PRIMING | SEALING:

Priming Surfaces will improve working time and handling.	
The surface to be bonded must be prepared, clean and sound.	
Concrete , Fibre-Cement:	Priming with Universal Primer is essential to ensure good adhesion and reduce pin holes of the underlayment. Very absorbent concrete may require a second coat of Universal Primer.
Non-Porous Floors:	Such as ceramic tiles, terrazzo, painted or epoxy surfaces and sealed or burnished concrete floors should be primed using Universal Primer (undiluted).
Wet or Damp Concrete Floors:	If in doubt about potential wet or damp floors, seal with Aquakem ***(Aquaguard 101)*** before proceeding. ***Refer: DGL Bondlast Construction Products Aquakem technical literature.*** ***Note* The requirement of the Aquakem in these situations will increase the installation time of the project.***
Critical Applications:	Epoxy Tie Coat Required: K80 Epoxy

MIXING RATIOS:

Product	Values
Super Level 30 Powder	20 kg
Water	5.0 litres

CAUTION:

Super Level 30 is to be mixed within the specified parameters of this document. Only these will produce a hard, non-softening product. Adding more water (with the aim of making the product "easier to use") will not work and will only result in a reduction of bond and tensile strength.

Only the stated mix ratios will work and exhibit the stated performance data.

MIXING:

Use:	An accurate graduated measuring jug.
Mixing:	May be conducted by way of: Electric Mixer & paddle | Hippo Mixer. Slowly add the Powder to the water whilst mixing. Power mix 3-5 minutes to a lump-free compound.
Extra water:	Do not add extra water as this will reduce strength and increase the chance of shrinkage cracking.
The compound should be used within 10 minutes at 20°C.	

APPLICATION METHOD:

Screed Bars:	may be used to obtain heights etc.
Steel trowel or Gauging Trowel	to achieve the required finish.
Working Time:	Bondlast Super Level 30 self-levels itself in the first 10 minutes. *Do not attempt to rework material after 10 minutes.*
Protect:	Ensure Super Level 30 is protected from full sun and wind to ensure good hydration and curing
Surface Finish:	It is finished surface but also may be further finished with ***Bondlast Super Feather Patch.***

HEALTH & SAFETY: ***Refer: safety data sheets (SDS).***

- Hazardous according to the criteria of NOHSC.
- Contains cement silica.
- Wear gloves and mask.
- Wash hands with warm, soapy water after any skin contact.
- Manual handling of this bag without due care and attention may result in personal injury.

FLOOR LEVELLING COMPOUND RANGE:

Patch Repairs

Product	Application Thickness	Mix Additive	Application Area	Use
Bondlast Rapid Patch 40	0 - 100mm in a single application	Water	Interior	Rapid Set
Hardfast *(White Patch)*	0 - 20mm in a single application	Water	Interior	Divots | Isolated patching only

Bulk Fill

Screed 20 +	10 - 100mm in single application	Water	Interior	Heavy Duty | Bulk Fills - Ramps
Bondlast Rapid Screed	5 - 200mm in a single application	Water	Interior / Exterior	Rapid Set | Shower Falls

Two-Part Screed

Durabond Superfine	0 - 5mm in a single application	Latex Emulsion	Interior	General Purpose - Fine Finish

Self-Levelling

Bondlast Super Level 30	0 - 12mm in single application ***Self-Smoothing at >3mm***	Water	Interior	Self-Levelling Installations

Fine Feather Finish

Bondlast Super Feather Patch	0 - 3mm in single application ***Very fine finishing***	Water	Interior	Fine Smoothing of floors

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DGL Bondlast Construction Products, a Division of DGL Manufacturing NZ
Auckland Office: 24-28 Lady Ruby Drive, East Tamaki, phone: 09-267-2772.
Auckland Trade Store: 308 Church Street, Penrose, phone: 09-583-6258.
Hamilton Trade Store: 18 Somerset Street, Frankton, phone: 07-847-8658.
Wellington Trade Store: Unit 9A, 4 Glover Street, Ngauranga Gorge, phone: 04-240-0305.
Christchurch Trade Store: 112 Carlyle Street, Sydenham, phone: 03-366-6802.
Customer Service: 0508-882-288 sales.bondlast.cp@dglgroup.com
Website: www.bondlastconstruction.com

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